

## **Coursework Requirements for the Sciences (7-12)**

Highly Qualified Criteria to Meet the 24 Credit Hour Requirements

Note: All coursework must be 100 level or above from an accredited institution of higher education.

<u>General Science</u>- A valid Secondary Certificate with 12 semester hours of coursework in Life Sciences <u>and</u> 12 semester hours of coursework in Physical/Earth/Space Sciences. Courses may be accepted from the following categories below:

<u>Life Sciences</u> <u>Physical/Earth/Space Sciences</u>

(12 semester hours)

(12 semester hours)

Agriculture Astronomy
Anatomy Chemistry
Biology Earth Science
Botany Geology
Biochemistry Meteorology

Ecology Physical Geography

Environmental Science Physics

Microbiology Oceanography
Physiology Biochemistry
Zoology Physical Science

Kinesiology

Physical Science- A valid Secondary Certificate with 24 semester hours from the following areas:

Biochemistry Chemistry Physical Science Physics

Earth/Space Science- A valid Secondary Certificate with 24 semester hours in science from the following areas:

Agriculture (must be dealing with soils and **NOT** livestock or plants)

Astronomy

Earth Science

Environmental (must be dealing with soils or the Earth and **NOT** life)

Forestry (must be dealing with soils or the Earth and **NOT** life)

Geology

Meteorology

Physical Geography

Oceanography

Ecology (must be dealing with soils or the Earth and NOT life)

\*Please Note: The AEPA for Earth Science became available July, 2011.

Integrated Science- Must be highly qualified in General Science content area- (see list above).

Forensic Science- Must be highly qualified in General Science content area- (see list above).

Environmental Science - Must be highly qualified in General Science or Earth Science content area- (see list above).

Anatomy and Physiology (A&P)- Must be highly qualified in Biology- highly recommend that coursework be directly relevant to anatomy and physiology in order to support instructional content competency.

For further information or questions related to the 24 credit requirement, please contact the Effective Teachers & Leaders Unit at (602) 364-1842.

Revised 5/1/14